

Serial No. 10/564,499
Response dated January 13, 2009
Reply to Office Action dated November 6, 2008

PATENT
PF030116
Customer No.: 24498

Amendments to the claims

Please cancel claims 1-8 without prejudice.

Please add claims 11-14.

Please amend claims 9 and 10 as follows:

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9. (Currently Amended) Display device comprising:

means of periodic generation of [[a]] successive coloured beam beams generating taking successively at each period a plurality of determined primary colours; and

means of modulation of each of said the coloured beam beams, ~~the means of modulation for generating during a determined duration~~ an image to be displayed in a determined primary colour taken by said coloured beam by modulation of said coloured beam during a determined duration of said coloured beam, wherein each of said successive the coloured beam beams takes successively at least two distinct colours during the determined duration so as to obtain each of said plurality of the determined primary colour as a result resultant.

10. (Currently Amended) Display device according to Claim 9, in which each of the coloured beam beams takes ~~one~~ at least one of the ~~said~~ distinct colours for a variable duration so as to vary the ~~said~~ determined colour.

11. (New) Display device according to Claim 9, in which the means of periodic generation of successive coloured beams comprises:

a first coloured wheel and a second coloured wheel traversed by a luminous beam, each coloured wheel carrying a plurality of coloured filtering sectors and being driven in rotation, and in which the position of the second coloured wheel relative to the first coloured wheel is variable in order to modify the determined primary colour of each of the successive coloured beams.

12. (New) Display device according to Claim 9, comprising:

means of reception of a video signal; and

means of determination of the position of the second coloured wheel relative to the first coloured wheel as a function of the received video signal,

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wherein the means of modulation of each of the successive coloured beams generates the images to be displayed as a function of the received video signal.

13. (New) Display device according to claim 9, in which the means of periodic generation of successive coloured beams comprises a first and a second identical coloured wheel successively traversed by a luminous beam, each coloured wheel carrying at least three coloured filtering sectors of respective colours yellow, magenta and cyan and being driven in rotation, and in which a phase shift of the second coloured wheel with respect to the first coloured wheel is variable in order to modify the determined primary colour of each of the successive coloured beams.

14. (New) Display device according to Claim 13, comprising:

means of reception of a video signal; and

means of determination of the said phase shift as a function of the received video signal, wherein the means of modulation of each of the successive coloured beams generates the images to be displayed as a function of the received video signal.